



# State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY  
DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION

FILE COPY

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ERRC-470-94

October 24, 1994

Mr. Paul Arell  
Environmental Protection Agency, Region VIII  
999 18th Street, Suite 500  
Denver, Colorado 80202-2405

Dear Mr. Arell:

Enclosed are three Site Discovery Forms for three stamp mills in southern Utah that were discovered during a recent trip visit to the Southwest Assay (Cristy Mill) site. The sites are located in the Silver Reef area near St. George in the southwest corner of Utah. The mills may be of concern due to their locations next to streams that are used as drinking water sources. Information provided to the Division of Environmental Response and Remediation (DERR) indicates that some of the mills have tailings in Leeds Creek and the Virgin River. The stamp mills listed below were in operation from 1870 thru 1884. The mines in the area processed lead and silver bearing ore. There is reason to believe the Leeds site may also have some uranium present that is also related to the mining activities in the area.

Leeds 5-Stamp Mill. Located on Leeds Creek in the Silver Reef area. Leeds Creek flows into Quail Creek Reservoir, which is a drinking water source for the Saint George area. There are mine and mill tailings with potentially high concentrations of mercury and heavy metals associated with them. The Leeds 5-Stamp Mill was in operation for 10 years until it was converted to a leaching plant which failed due to a copper content in the ore.

Barbee and Walker Mill. Located in the northern portion of the Silver Reef area. There are mine and mill tailings with potentially high concentrations of mercury and heavy metals associated with them. There are currently homes in close proximity to the old mill and its dump area. The mill was in production for approximately seven years, and received ore from one mine in the Silver Reef area.

Stormont Company. Located in the eastern portion of the Silver Reef area. This mill was constructed on the bank of the Virgin River. The Virgin River is one of the principle water sources for Southern Utah and parts of Nevada, and also supports endangered species. The mill received ore from five mines in the Silver Reef area. The mill was in production for 10 years at full capacity, with up to 90 men employed. The exact location of this site is unknown.

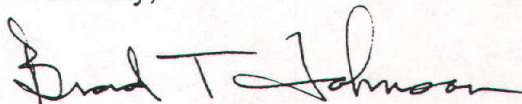


Mr. Paul Arell  
October 21, 1994  
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Because it appears that hazardous substances may be present at these sites, UDERR feels that further investigation of these sites is necessary to assess potential threats to human health and the environment. We therefore request inclusion of these sites on the CERCLIS data base. Please notify us when you have made a decision regarding the placement of these sites on CERCLIS.

Thank you for your attention to this matter. If you have any questions or require additional information, please contact Jim L. Thiros at (801) 536-4100.

Sincerely,

A handwritten signature in black ink, appearing to read "Brad T. Johnson". The signature is fluid and cursive, with the first name "Brad" being more prominent.

Brad T Johnson, CERCLA Branch Manager  
Division of Environmental Response and Remediation

BTJ/JLT/cjl

Enclosures



**DATA ENTRY FORM FOR SITE ASSESSMENT/PRE-REMEDIAL EVENTS**

SITE NAME: Stromont Company Mill

EPA ID#: \_\_\_\_\_

REGIONAL CONTACT: Luke Chavez

PHONE: (303) 293-1869

SITE ADDRESS: East portion of Silver Reef on the Virgin River,

STATE: Utah ZIP: 84

COUNTY: Washington

LAT: 37/10/00. "

LONG: 113/ 19/00. "

ALIAS NAME(S): 1. \_\_\_\_\_ 2. \_\_\_\_\_

SITE DESCRIPTION: The Stormont Company is located in the eastern portion of the Silver Reef area. This mill was constructed on the bank of the Virgin River. The Virgin River is one of the principle water sources for Southern Utah and parts of Nevada, and also supports endangered species. The mill received ore from five mines in the Silver Reef area. The mill was in production for 10 years at full capacity, with up to 90 men employed.

**SITE CATEGORY: T,V,R,A**

**OWNER INDICATOR: PR**

- |                                |                             |                   |                      |
|--------------------------------|-----------------------------|-------------------|----------------------|
| (A) ABANDONED                  | (L) LANDFILL                | (CO) COUNTY OWNED | (DI) DISTRICT OWNED  |
| (O) OIL SPILLED                | (M) MANUFACTURING           | (FF) FEDERAL      | (IL) INDIAN LAND     |
| (C) CITY CONTAMINATION         | (N) MILITARY RELATED        | FACILITY          | (MX) MIXED OWNERSHIP |
| (FF) FEDERAL FACILITY          | (P) PURE LAGOONS            | (MN) MUNICIPALITY | (ST) STATE OWNED     |
| (G) GROUNDWATER                | (R) RADIO ACTIVE            | (PR) PRIVATE      | (OH) OTHER           |
| (H) HOUSING                    | (T) MINE TAILINGS           | (UN) UNKNOWN      |                      |
| (I) INDUSTRIAL WASTE TREATMENT | (V) WATERWAYS/CREEKS/RIVERS |                   |                      |
| (J) INORGANIC WASTE            | (W) WELLS                   |                   |                      |

**NPL STATUS:** \_\_\_\_\_ (F) FINAL (N) NON-REMOVAL NPL (D) DELETED FROM NPL  
(S) PRE-PROPOSED (R) REMOVAL (P) PROPOSED

**FEDERAL FACILITY (YES OR NO):** \_\_\_\_\_ **FEDERAL FACILITY DOCKET (TRUE OR FALSE):** \_\_\_\_\_

**RCRA TREATMENT STORAGE AND DISPOSAL FACILITY (YES OR EPI):** \_\_\_\_\_

\_\_\_\_ NEW EVENT \_\_\_\_\_ DELETED EVENT \_\_\_\_\_ EDIT EVENT \_\_\_\_\_ EVENT SEQ # \_\_\_\_\_

**EVENT TYPE(S) (CHECK ONE):** X DISCOVERY (DS) \_\_\_\_\_ PRELIMINARY ASSESSMENT (PA)

\_\_\_\_ REVISED PRELIMINARY ASSESSMENT \_\_\_\_\_ SITE INVESTIGATION (SI)

\_\_\_\_ REVISED SITE INVESTIGATION \_\_\_\_\_ EXPANDED SITE INVESTIGATION (ESI)

\_\_\_\_ SITE INSPECTION PRIOR (SIP)

**EVENT LEAD(S):** \_\_\_\_\_ (F) EPA FUND FINANCED (S) STATE (FF) FEDERAL FACILITY

**QUALIFIERS FOR PA/SI:**

\_\_\_\_ (L)OWER \_\_\_\_\_ (H)IGHER \_\_\_\_\_ (D)EFERRED \_\_\_\_\_ (N)O FURTHER REMEDIAL ACTION

**QUALIFIERS FOR (ESI):**

\_\_\_\_ (G) RECOMMENDED FOR HRS SCORING \_\_\_\_\_ (N)O FURTHER ACTION PLANNED

**SCAP NOTE:** \_\_\_\_\_

**DATE APPROVED/DECISION MADE BY REGION = ACTUAL COMPLETION DATE:** \_\_\_\_/\_\_\_\_/\_\_\_\_

**COMMENTS:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PREPARED BY:** Jim L. Thiros **DATE:** 10/18/94

**DATA ADMINISTRATOR:** \_\_\_\_\_ **DATE RECEIVED:** \_\_\_\_/\_\_\_\_/\_\_\_\_

**CSC:** \_\_\_\_\_ **SITE REFERENCE #** \_\_\_\_\_ **DATE COMPLETED:** \_\_\_\_/\_\_\_\_/\_\_\_\_



# DATA ENTRY FORM FOR SITE ASSESSMENT/PRE-REMEDIAL EVENTS

SITE NAME: Leeds 5 Stamp Mill EPA ID#: \_\_\_\_\_  
 REGIONAL CONTACT: Luke Chavez PHONE: (303) 293-1869  
 SITE ADDRESS: Leeds Creek SW of Leeds, Utah STATE: Utah ZIP: 84  
 COUNTY: Washington LAT: 37°/17/30." LONG: 113°/24/13."  
 ALIAS NAME(S): 1. \_\_\_\_\_ 2. \_\_\_\_\_

SITE DESCRIPTION: The Leeds 5-Stamp Mill is located on Leeds Creek in the Silver Reef area. Leeds Creek flows into Quail Creek Reservoir, which is a drinking water source for the Saint George area. There are mine and mill tailings with high concentrations of mercury and heavy metals associated with them. The Leeds 5-Stamp Mill was in operation for 10 years until it was converted to a leaching plant which failed due to a copper content.

**SITE CATEGORY: T,V,R,A**

- |                                |                             |
|--------------------------------|-----------------------------|
| (A) ABANDONED                  | (L) LANDFILL                |
| (O) OIL SPILLED                | (M) MANUFACTURING           |
| (C) CITY CONTAMINATION         | (N) MILITARY RELATED        |
| (FF) FEDERAL FACILITY          | (P) PURE LAGOONS            |
| (G) GROUNDWATER                | (R) RADIO ACTIVE            |
| (H) HOUSING                    | (T) MINE TAILINGS           |
| (I) INDUSTRIAL WASTE TREATMENT | (V) WATERWAYS/CREEKS/RIVERS |
| (J) INORGANIC WASTE            | (W) WELLS                   |

**OWNER INDICATOR: PR**

- |                       |                      |
|-----------------------|----------------------|
| (CO) COUNTY OWNED     | (DI) DISTRICT OWNED  |
| (FF) FEDERAL FACILITY | (IL) INDIAN LAND     |
| (MN) MUNICIPALITY     | (MX) MIXED OWNERSHIP |
| (PR) PRIVATE          | (ST) STATE OWNED     |
| (UN) UNKNOWN          | (OH) OTHER           |

NPL STATUS: \_\_\_\_\_ (F) FINAL (N) NON-REMOVAL NPL (D) DELETED FROM NPL  
 (S) PRE-PROPOSED (R) REMOVAL (P) PROPOSED

FEDERAL FACILITY (YES OR NO): \_\_\_\_\_ FEDERAL FACILITY DOCKET (TRUE OR FALSE): \_\_\_\_\_

RCRA TREATMENT STORAGE AND DISPOSAL FACILITY (YES OR EPI): \_\_\_\_\_

\_\_\_\_ NEW EVENT \_\_\_\_ DELETED EVENT \_\_\_\_ EDIT EVENT EVENT SEQ # \_\_\_\_\_

EVENT TYPE(S) (CHECK ONE): X DISCOVERY (DS) \_\_\_\_ PRELIMINARY ASSESSMENT (PA)  
 \_\_\_\_ REVISED PRELIMINARY ASSESSMENT \_\_\_\_ SITE INVESTIGATION (SI)  
 \_\_\_\_ REVISED SITE INVESTIGATION \_\_\_\_ EXPANDED SITE INVESTIGATION (ESI)  
 \_\_\_\_ SITE INSPECTION PRIOR (SIP)

EVENT LEAD(S): \_\_\_\_\_ (F) EPA FUND FINANCED (S) STATE (FF) FEDERAL FACILITY

**QUALIFIERS FOR PA/SI:**

\_\_\_\_ (L)OWER \_\_\_\_ (H)IGHER \_\_\_\_ (D)EFERRED \_\_\_\_ (N)O FURTHER REMEDIAL ACTION

**QUALIFIERS FOR (ESI):**

\_\_\_\_ (G) RECOMMENDED FOR HRS SCORING \_\_\_\_ (N)O FURTHER ACTION PLANNED

SCAP NOTE: \_\_\_\_\_

DATE APPROVED/DECISION MADE BY REGION = ACTUAL COMPLETION DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PREPARED BY: Jim L. Thiros DATE: 10/18/94

DATA ADMINISTRATOR: \_\_\_\_\_ DATE RECEIVED: \_\_\_\_/\_\_\_\_/\_\_\_\_

CSC: \_\_\_\_\_ SITE REFERENCE # \_\_\_\_\_ DATE COMPLETED: \_\_\_\_/\_\_\_\_/\_\_\_\_



SITE NAME: Barbee and Walker Mill  
 REGIONAL CONTACT: Luke Chavez

EPA ID#: \_\_\_\_\_  
 PHONE: (303) 293-1869

SITE ADDRESS: Northern part of Silver Reef STATE: Utah ZIP: 84  
 COUNTY: Washington LAT: 37°/16'/10." LONG: 113°/21'/70."  
 ALIAS NAME(S): 1. 2.

SITE DESCRIPTION: The Barbee and Walker Mill is located in the northern portion of the Silver Reef area. There are mine and mill tailings with high concentrations of mercury and heavy metals associated with them. There are currently homes in close proximity to the old mill, and its dump area. The mill was in production for approximately seven years, and received ore from one mine in the Silver Reef area.

SITE CATEGORY: T,V,R,A

- (A) ABANDONED  
 (O) OIL SPILLED  
 (C) CITY CONTAMINATION  
 (FF) FEDERAL FACILITY  
 (G) GROUNDWATER  
 (H) HOUSING  
 (I) INDUSTRIAL WASTE  
 TREATMENT  
 (J) INORGANIC WASTE

- (L) LANDFILL  
 (M) MANUFACTURING  
 (N) MILITARY RELATED  
 (P) PURE LAGOONS  
 (R) RADIO ACTIVE  
 (T) MINE TAILINGS  
 (V) WATERWAYS/CREEKS/  
 RIVERS  
 (W) WELLS

OWNER INDICATOR: PR

- (CO) COUNTY OWNED (DI) DISTRICT OWNED  
 (FF) FEDERAL (IL) INDIAN LAND  
 FACILITY (MX) MIXED OWNERSHIP  
 (MN) MUNICIPALITY (ST) STATE OWNED  
 (PR) PRIVATE (OH) OTHER  
 (UN) UNKNOWN

NPL STATUS: \_\_\_\_\_ (F) FINAL (N) NON-REMOVAL NPL (D) DELETED FROM NPL  
 (S) PRE-PROPOSED (R) REMOVAL (P) PROPOSED

FEDERAL FACILITY (YES OR NO): \_\_\_\_\_ FEDERAL FACILITY DOCKET (TRUE OR FALSE): \_\_\_\_\_

RCRA TREATMENT STORAGE AND DISPOSAL FACILITY (YES OR EPI): \_\_\_\_\_

\_\_\_\_ NEW EVENT \_\_\_\_\_ DELETED EVENT \_\_\_\_\_ EDIT EVENT EVENT SEQ # \_\_\_\_\_

EVENT TYPE(S) (CHECK ONE): X DISCOVERY (DS) \_\_\_\_\_ PRELIMINARY ASSESSMENT (PA)

\_\_\_\_ REVISED PRELIMINARY ASSESSMENT \_\_\_\_\_ SITE INVESTIGATION (SI)

\_\_\_\_ REVISED SITE INVESTIGATION \_\_\_\_\_ EXPANDED SITE INVESTIGATION (ESI)

\_\_\_\_ SITE INSPECTION PRIOR (SIP)

EVENT LEAD(S): \_\_\_\_\_ (F) EPA FUND FINANCED (S) STATE (FF) FEDERAL FACILITY

## QUALIFIERS FOR PA/SI:

\_\_\_\_ (L)OWER \_\_\_\_\_ (H)IGHER \_\_\_\_\_ (D)EFERRED \_\_\_\_\_ (N)O FURTHER REMEDIAL ACTION

## QUALIFIERS FOR (ESI):

\_\_\_\_ (G) RECOMMENDED FOR HRS SCORING \_\_\_\_\_ (N)O FURTHER ACTION PLANNED

SCAP NOTE: \_\_\_\_\_

DATE APPROVED/DECISION MADE BY REGION = ACTUAL COMPLETION DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

COMMENTS: \_\_\_\_\_

PREPARED BY: Jim L. Thiros DATE: 10/18/94

DATA ADMINISTRATOR: \_\_\_\_\_ DATE RECEIVED: \_\_\_\_/\_\_\_\_/\_\_\_\_

CSC: \_\_\_\_\_ SITE REFERENCE # \_\_\_\_\_ DATE COMPLETED: \_\_\_\_/\_\_\_\_/\_\_\_\_